

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071019\
 Data File : VX010779.D
 Acq On : 10 Jul 2019 15:59
 Operator : JC/SP
 Sample : K3734-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP19-056-MW02

Quant Time: Jul 11 01:15:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	208672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	327393	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	304772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140700	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	106702	54.54	ug/l	0.00
Spiked Amount			Recovery	=	109.08%	
35) Dibromofluoromethane	5.50	113	101601	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
50) Toluene-d8	8.71	98	391700	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.13	95	131390	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	

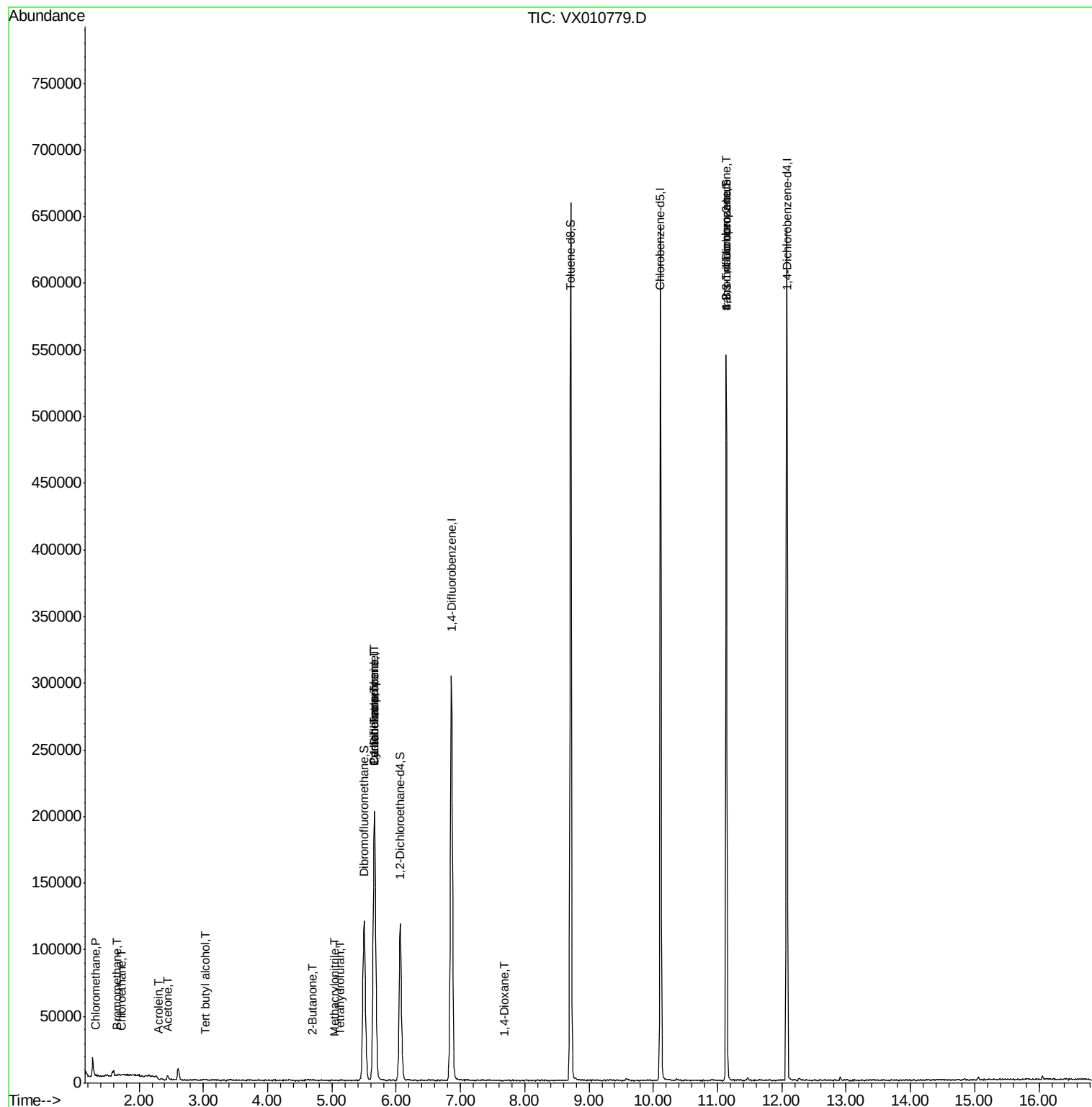
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	544	0.322	ug/l #	87
5) Bromomethane	1.65	94	280	0.311	ug/l	92
6) Chloroethane	1.72	64	303	0.278	ug/l #	69
11) Tert butyl alcohol	3.03	59	545	1.065	ug/l #	88
13) Acrolein	2.30	56	203	0.598	ug/l #	50
16) Acetone	2.44	43	3492	3.561	ug/l #	80
25) 2-Butanone	4.69	43	623	0.433	ug/l #	46
29) Tetrahydrofuran	5.13	42	299	0.336	ug/l #	51
31) Cyclohexane	5.65	56	4159	1.472	ug/l #	19
36) 1,1-Dichloropropene	5.66	75	13640	5.243	ug/l #	48
38) Carbon Tetrachloride	5.66	117	18291	6.493	ug/l #	15
41) Methacrylonitrile	5.04	41	405	0.276	ug/l #	45
49) 1,4-Dioxane	7.69	88	22	0.371	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	65212	25.434	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	65212	59.336	ug/l #	16

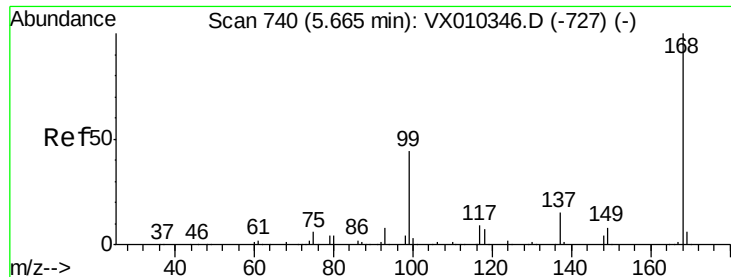
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010779.D

Acq: 10 Jul 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

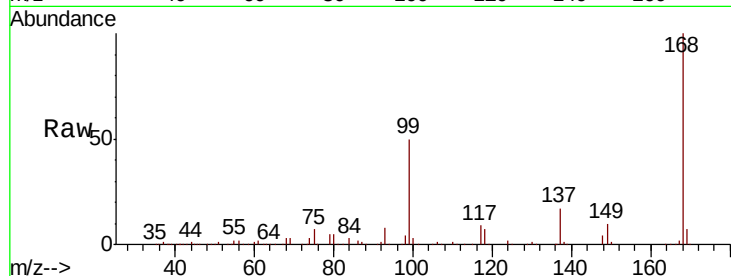
SP19-056-MW02

Tot Ion:168 Resp: 208672

Ion Ratio Lower Upper

168 100

99 50.0 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

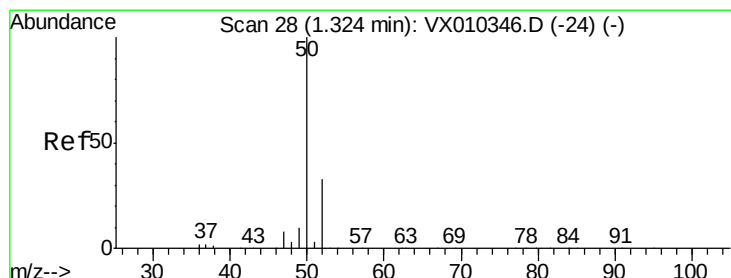
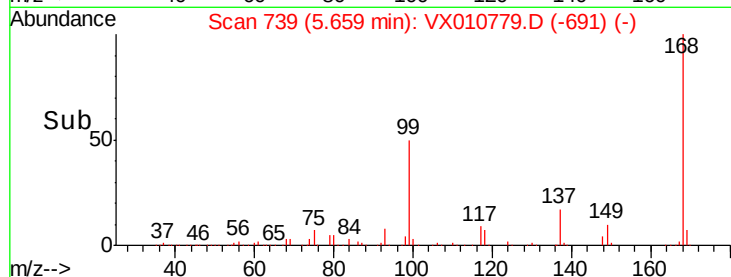
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.322 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010779.D

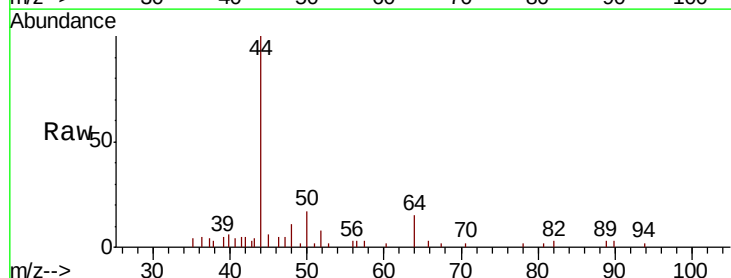
Acq: 10 Jul 2019 15:59

Tgt Ion: 50 Resp: 544

Ion Ratio Lower Upper

50 100

52 40.6 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

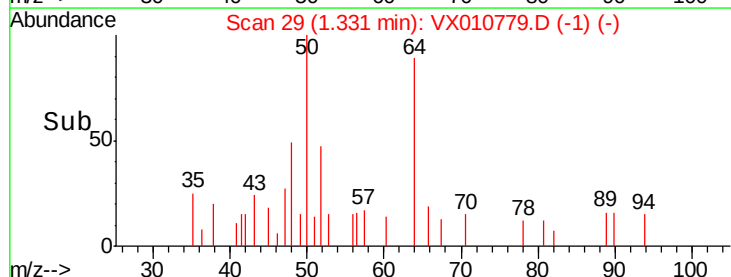
300

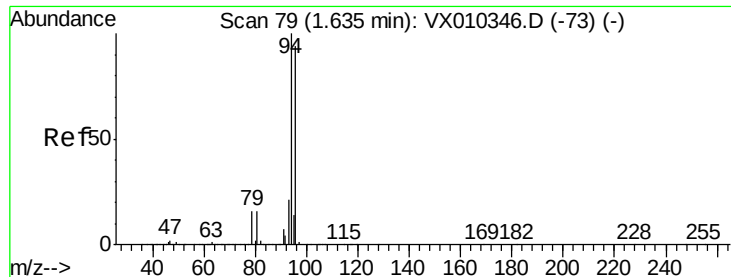
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.311 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010779.D

Acq: 10 Jul 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

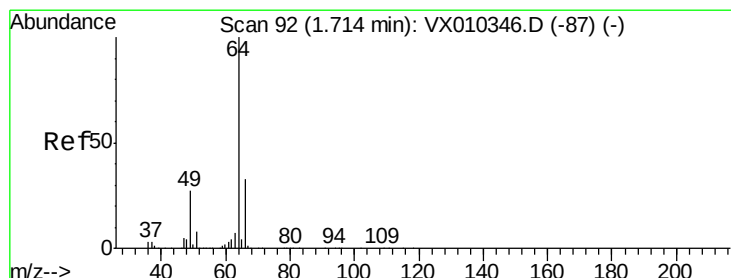
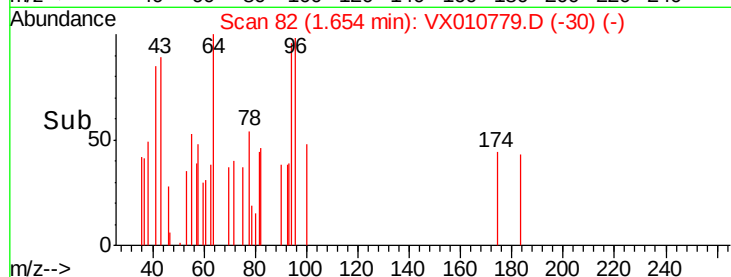
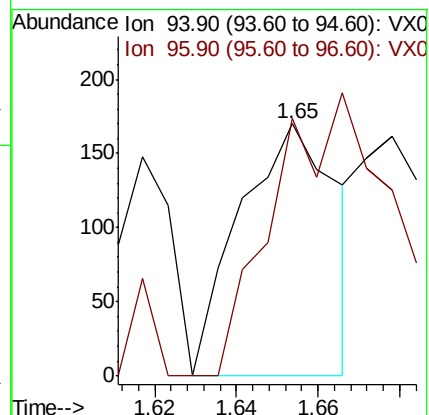
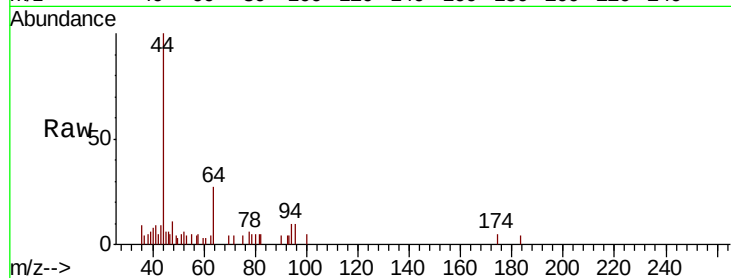
SP19-056-MW02

Tot Ion: 94 Resp: 280

Ion Ratio Lower Upper

94 100

96 102.4 75.5 113.3



#6

Chloroethane

Concen: 0.278 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010779.D

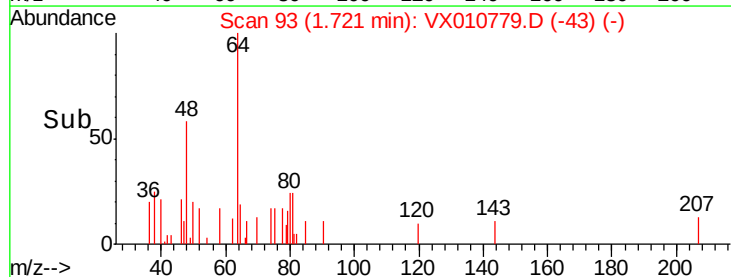
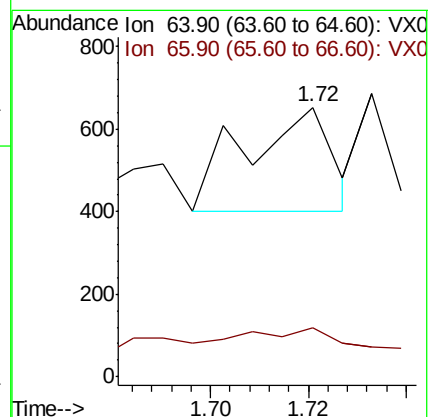
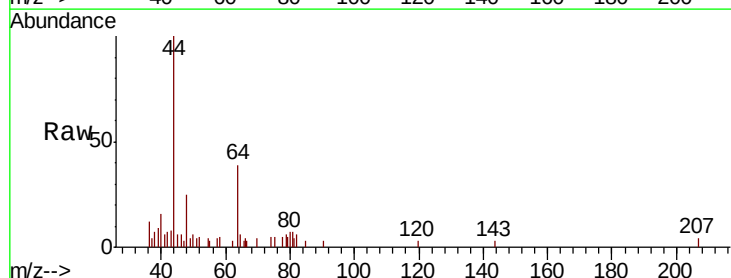
Acq: 10 Jul 2019 15:59

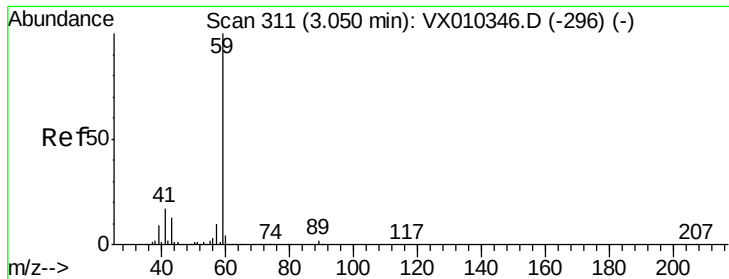
Tgt Ion: 64 Resp: 303

Ion Ratio Lower Upper

64 100

66 15.5 26.6 40.0#



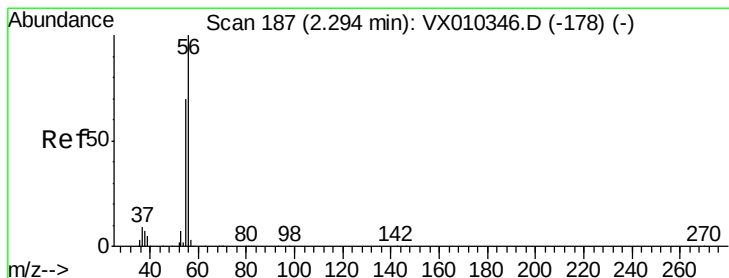
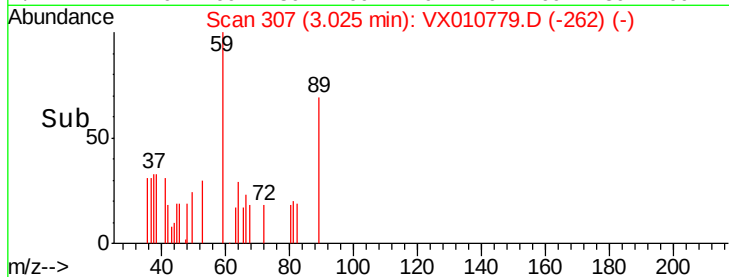
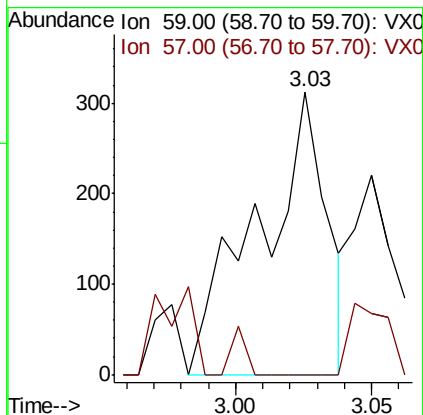
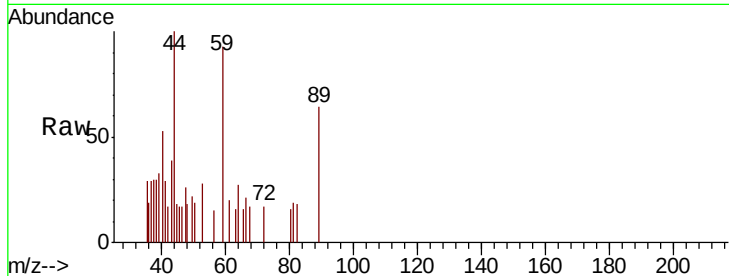


#11

Tert butyl alcohol
 Concen: 1.065 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX010779.D
 Acq: 10 Jul 2019 15:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SP19-056-MW02

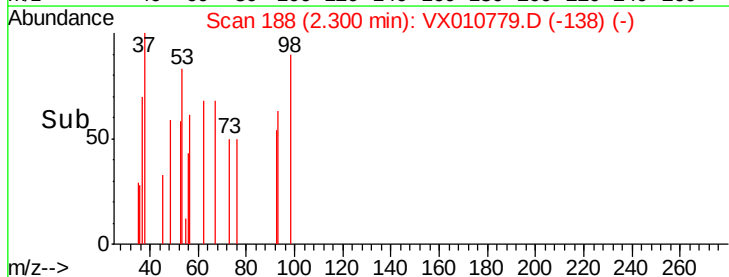
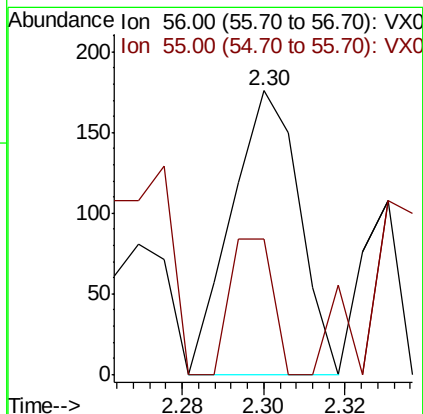
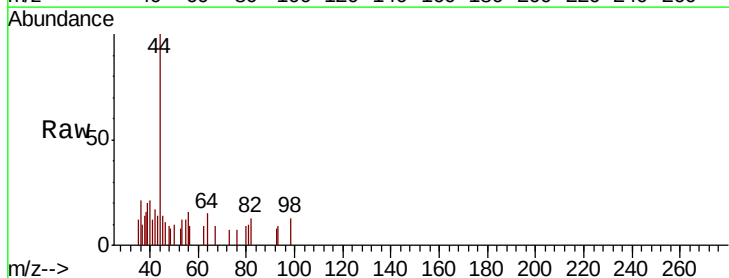
Tot Ion: 59 Resp: 545
 Ion Ratio Lower Upper
 59 100
 57 13.9 7.7 11.5#

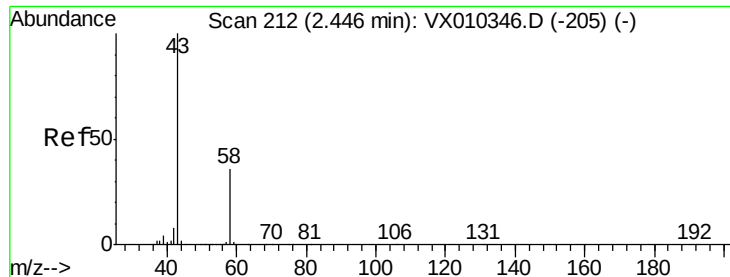


#13

Acrolein
 Concen: 0.598 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX010779.D
 Acq: 10 Jul 2019 15:59

Tgt Ion: 56 Resp: 203
 Ion Ratio Lower Upper
 56 100
 55 30.0 56.9 85.3#





#16

Acetone

Concen: 3.561 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010779.D

Acq: 10 Jul 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

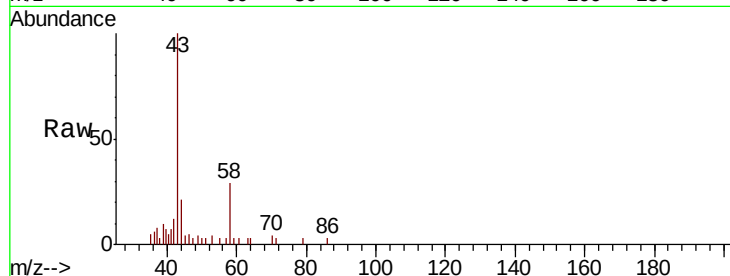
SP19-056-MW02

Tot Ion: 43 Resp: 3492

Ion Ratio Lower Upper

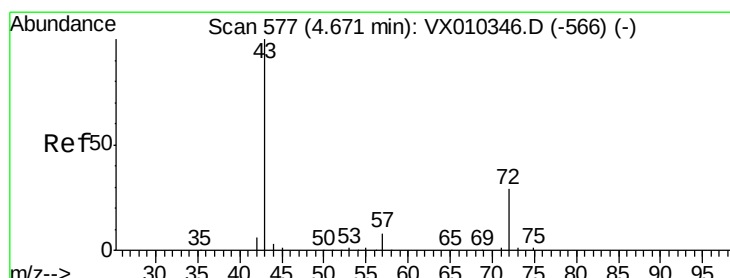
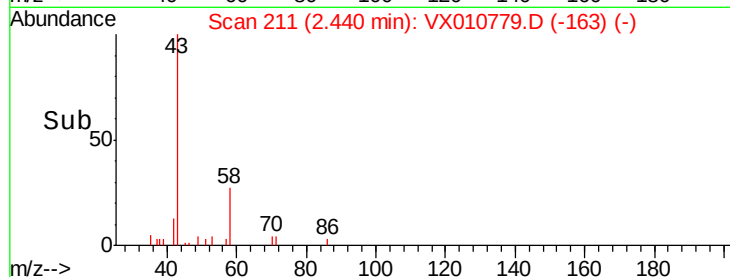
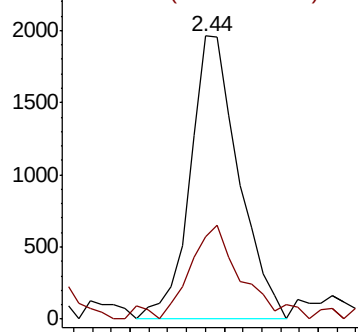
43 100

58 24.3 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 0.433 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX010779.D

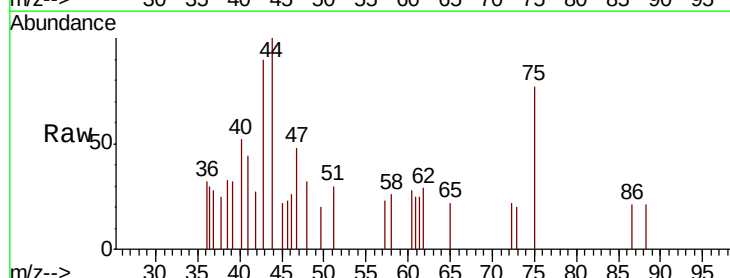
Acq: 10 Jul 2019 15:59

Tgt Ion: 43 Resp: 623

Ion Ratio Lower Upper

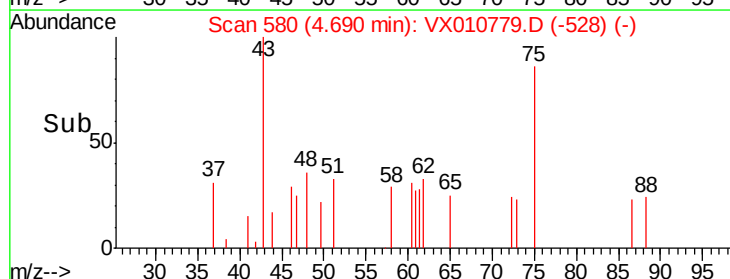
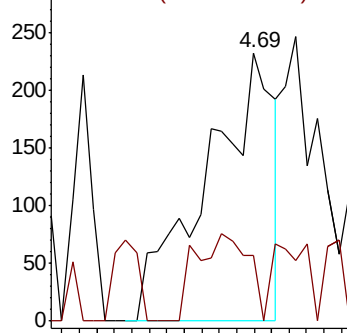
43 100

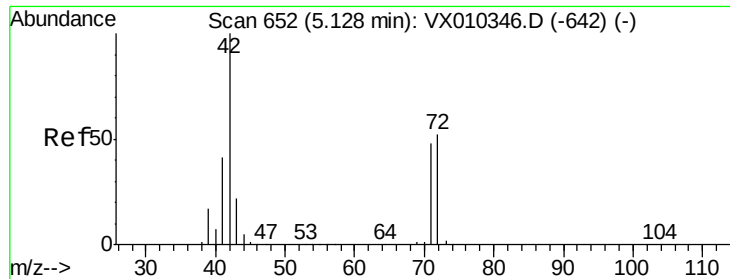
72 0.0 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

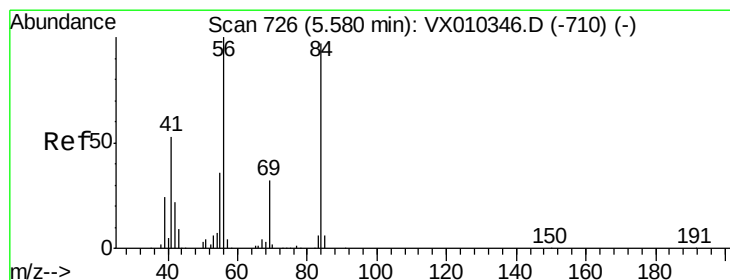
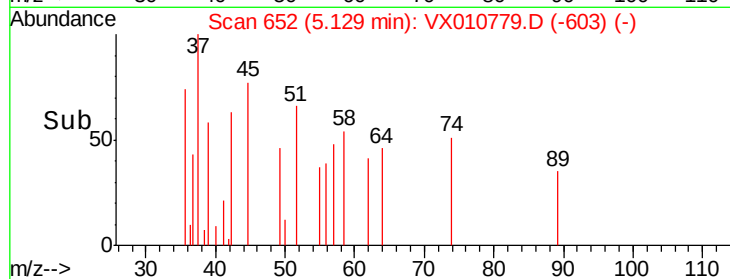
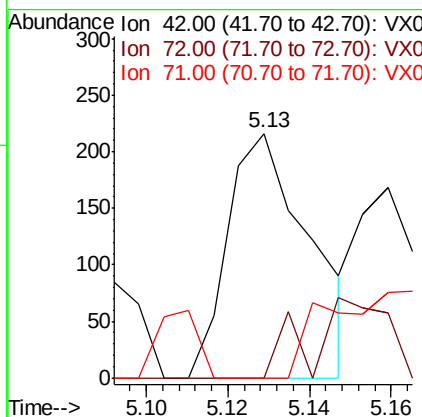
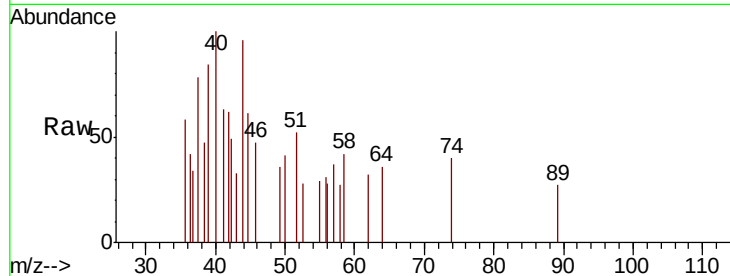




#29
Tetrahydrofuran
Concen: 0.336 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010779.D
Acq: 10 Jul 2019 15:59

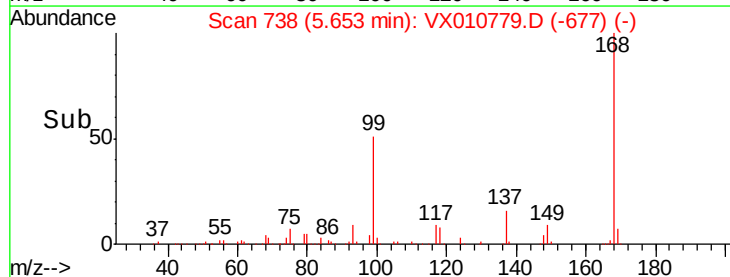
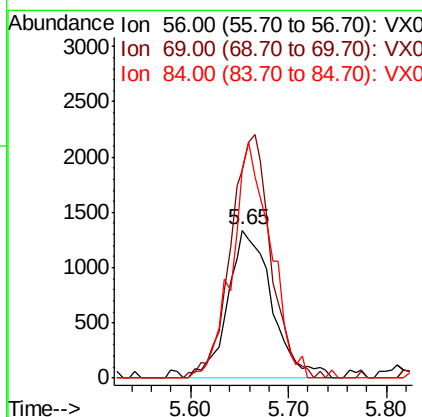
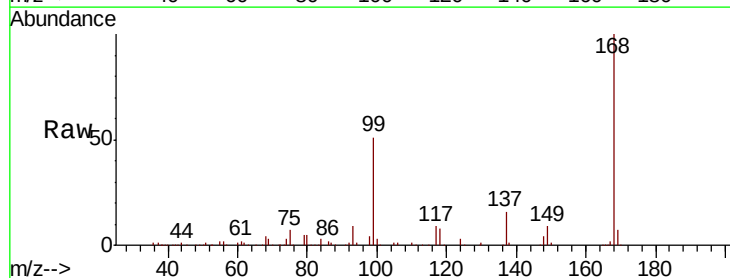
Instrument :
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SP19-056-MW02

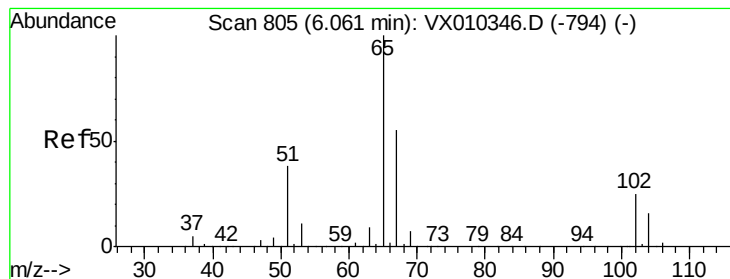
Tot Ion: 42 Resp: 299
Ion Ratio Lower Upper
42 100
72 30.4 40.6 60.8#
71 0.0 37.8 56.8#



#31
Cyclohexane
Concen: 1.472 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX010779.D
Acq: 10 Jul 2019 15:59

Tgt Ion: 56 Resp: 4159
Ion Ratio Lower Upper
56 100
69 140.7 25.9 38.9#
84 141.1 78.0 117.0#





#33

1,2-Dichloroethane-d4

Concen: 54.537 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010779.D

Acq: 10 Jul 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

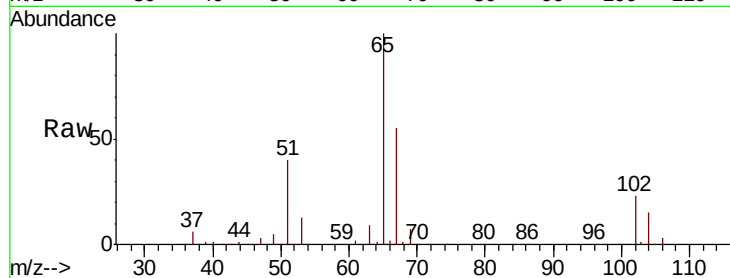
SP19-056-MW02

Tot Ion: 65 Resp: 106702

Ion Ratio Lower Upper

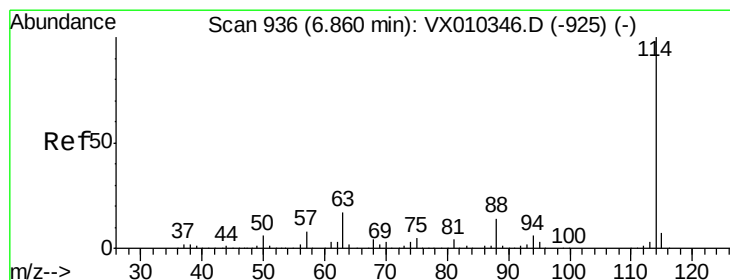
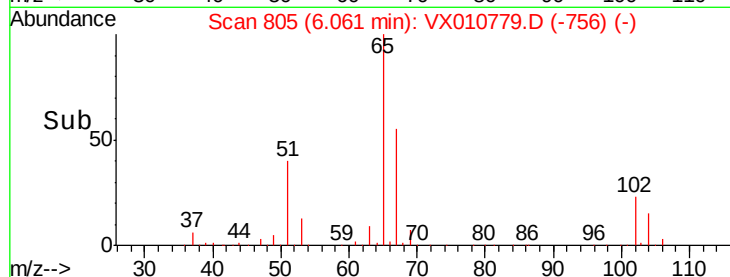
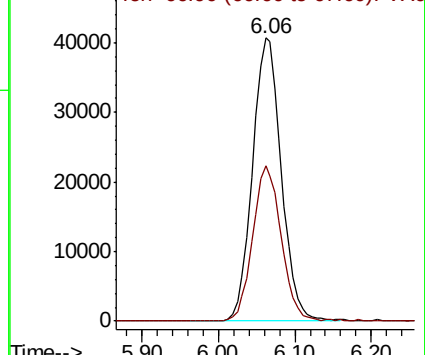
65 100

67 54.5 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010779.D

Acq: 10 Jul 2019 15:59

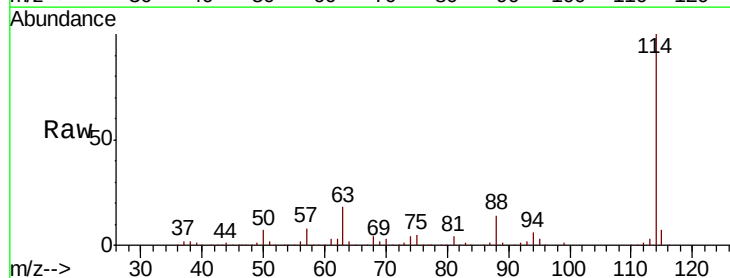
Tgt Ion: 114 Resp: 327393

Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.8

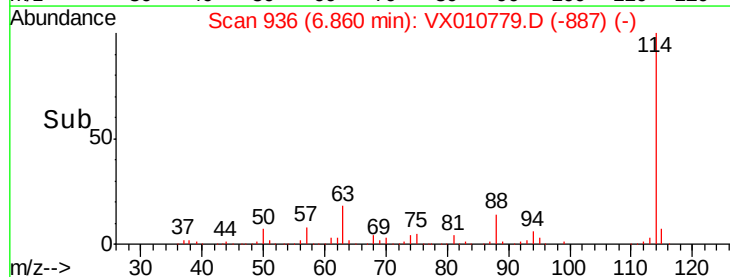
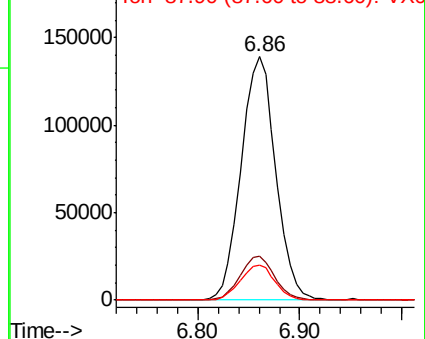
88 14.3 0.0 27.6

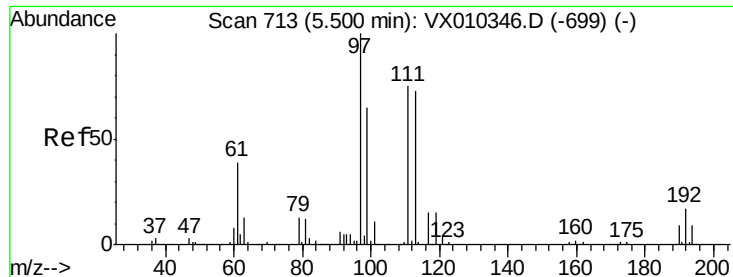


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

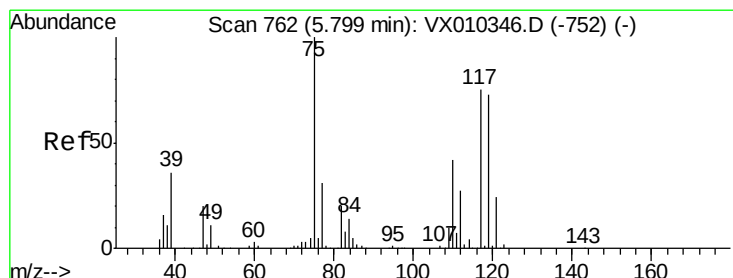
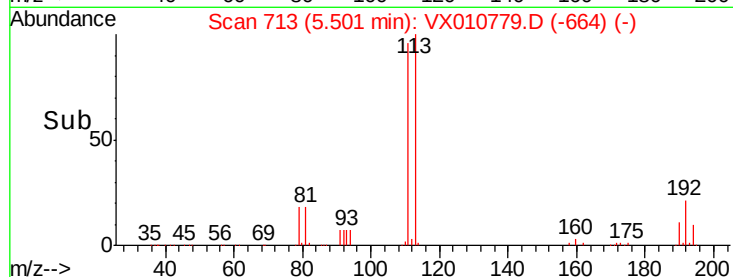
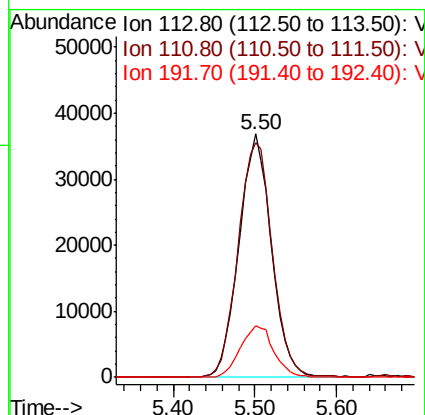
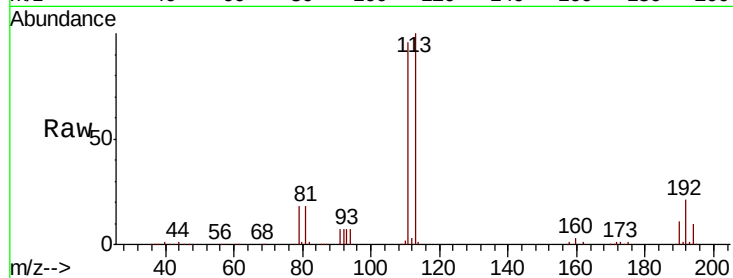




#35
 Dibromofluoromethane
 Concen: 50.722 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010779.D
 Acq: 10 Jul 2019 15:59

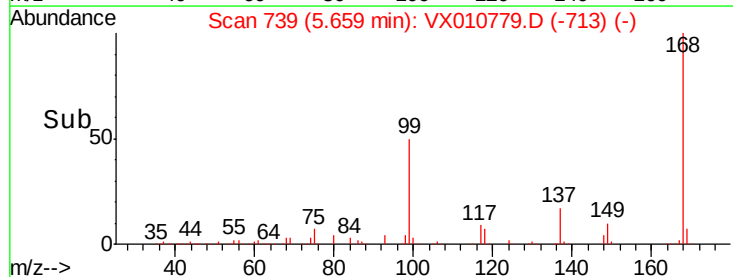
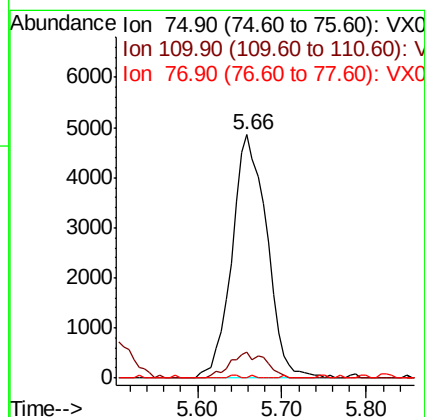
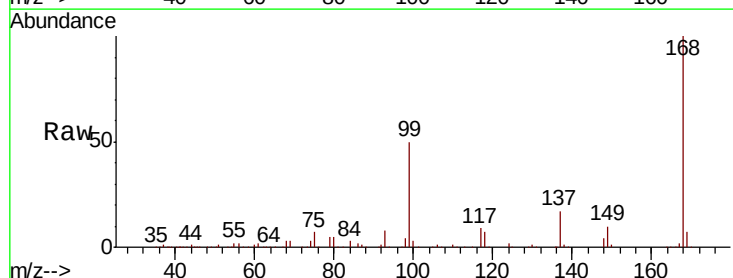
Instrument :
 MSVOA_X
 ClientSampleId :
 SP19-056-MW02

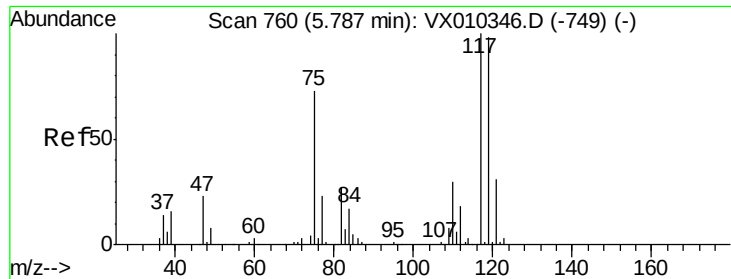
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.2	121.8
192	21.9	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 5.243 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010779.D
 Acq: 10 Jul 2019 15:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.0	20.8	62.2#
77	0.1	25.4	38.0#





#38

Carbon Tetrachloride

Concen: 6.493 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010779.D

Acq: 10 Jul 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

SP19-056-MW02

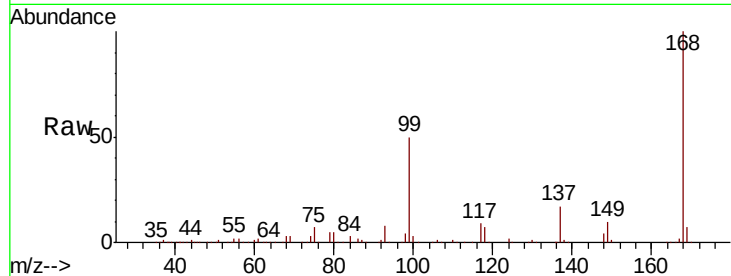
Tot Ion:117 Resp: 18291

Ion Ratio Lower Upper

117 100

119 5.4 78.2 117.4#

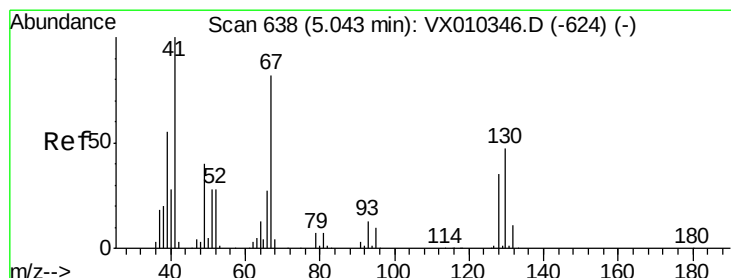
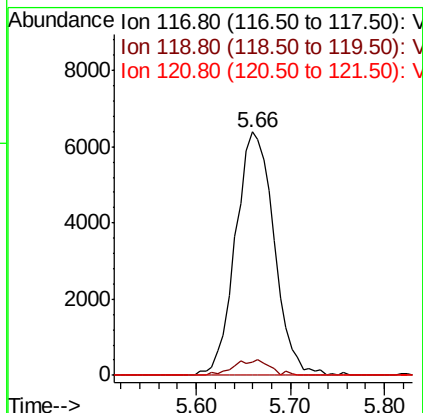
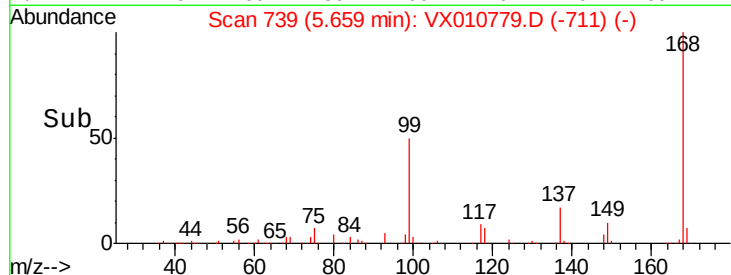
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.276 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX010779.D

Acq: 10 Jul 2019 15:59

Tgt Ion: 41 Resp: 405

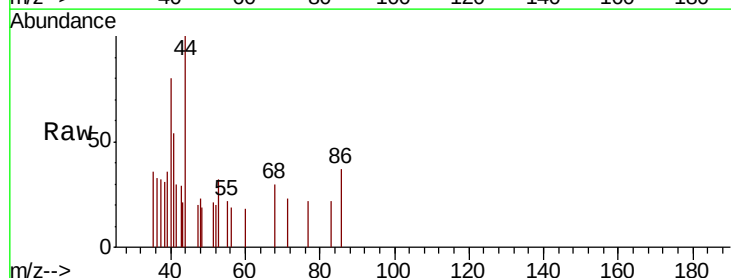
Ion Ratio Lower Upper

41 100

39 41.7 43.8 65.8#

67 6.4 66.6 100.0#

52 10.1 24.5 36.7#

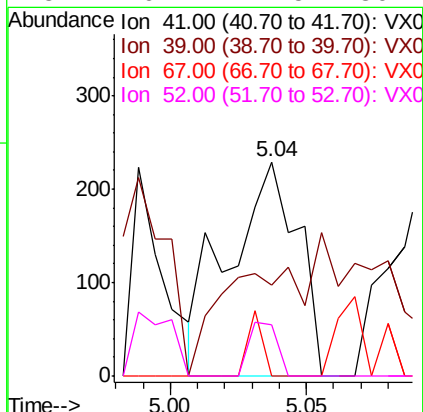
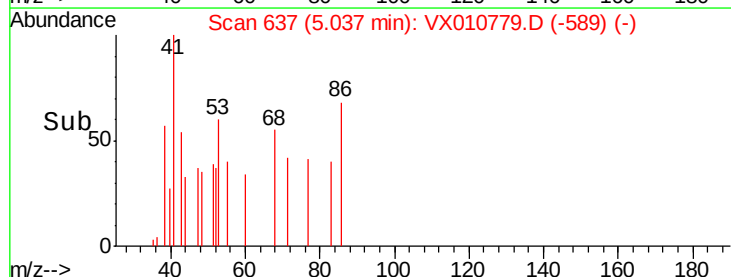


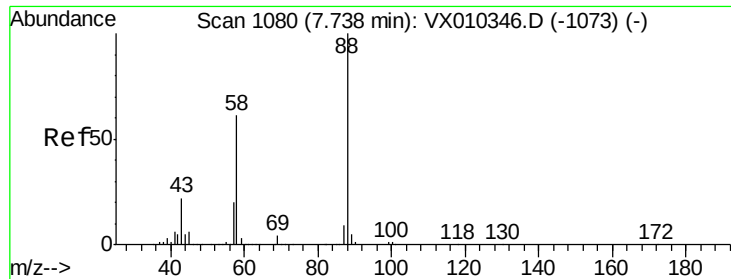
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

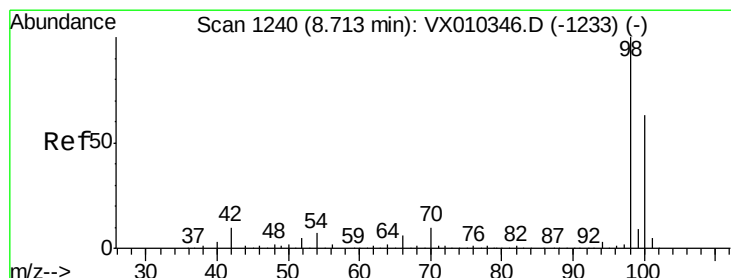
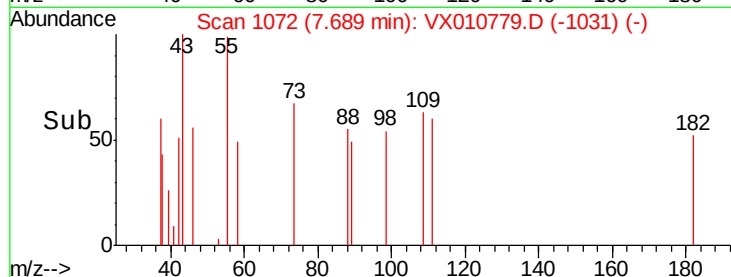
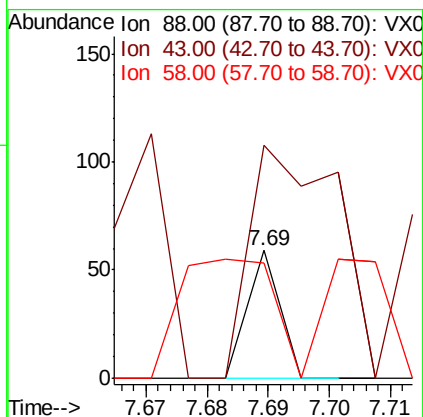
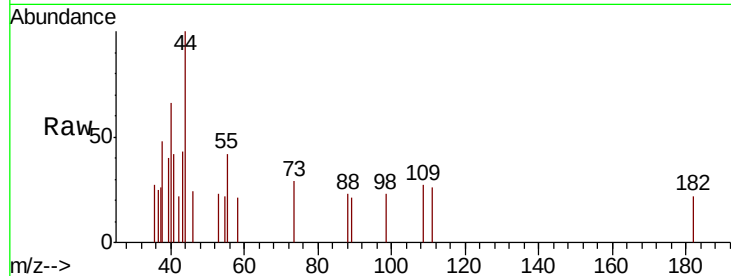




#49
 1,4-Dioxane
 Concen: 0.371 ug/l
 RT: 7.69 min Scan# 1072
 Delta R.T. -0.05 min
 Lab File: VX010779.D
 Acq: 10 Jul 2019 15:59

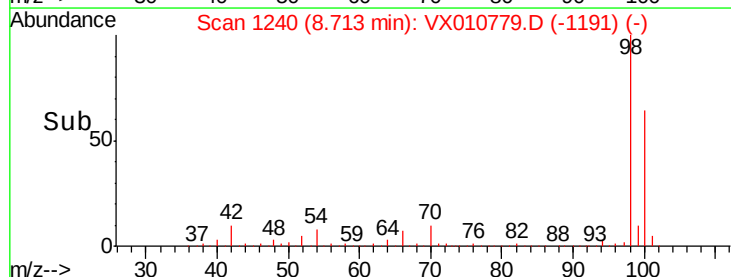
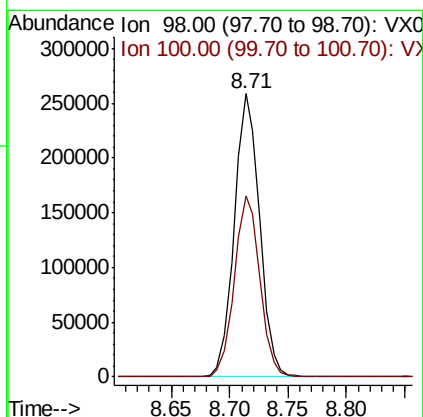
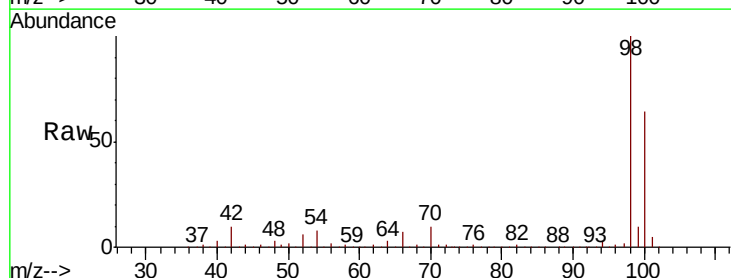
Instrument :
 MSVOA_X
 ClientSampled :
 SP19-056-MW02

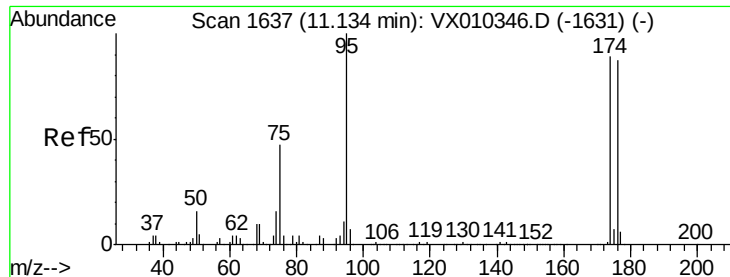
Tot Ion: 88 Resp: 22
 Ion Ratio Lower Upper
 88 100
 43 486.4 20.2 30.2#
 58 268.2 49.5 74.3#



#50
 Toluene-d8
 Concen: 51.112 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010779.D
 Acq: 10 Jul 2019 15:59

Tgt Ion: 98 Resp: 391700
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 47.489 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010779.D

Acq: 10 Jul 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

SP19-056-MW02

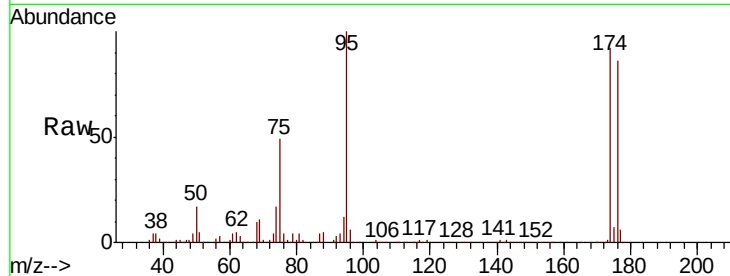
Tot Ion: 95 Resp: 131390

Ion Ratio Lower Upper

95 100

174 95.9 0.0 187.6

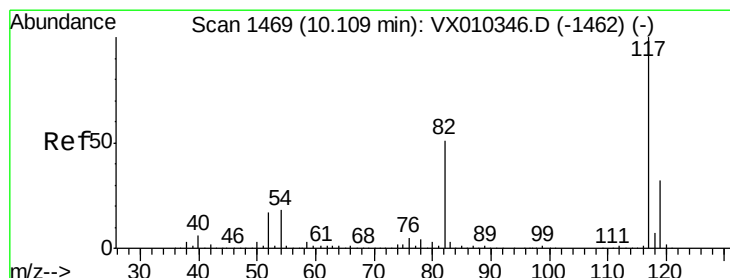
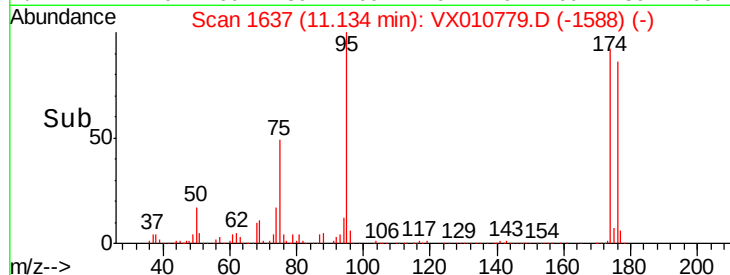
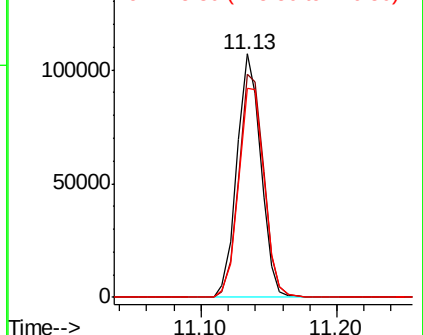
176 91.9 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010779.D

Acq: 10 Jul 2019 15:59

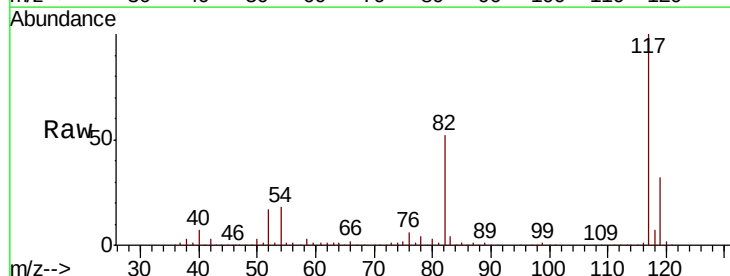
Tgt Ion: 117 Resp: 304772

Ion Ratio Lower Upper

117 100

82 52.1 41.2 61.8

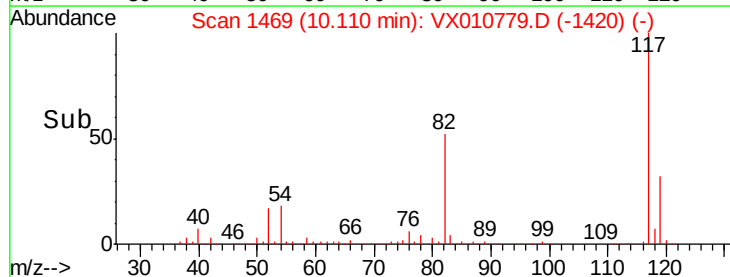
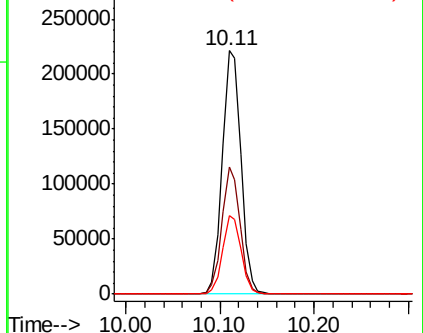
119 32.3 25.5 38.3

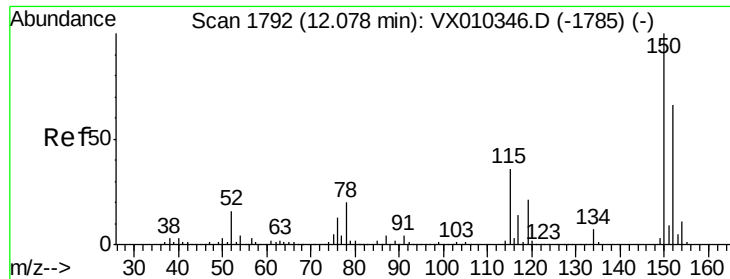


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010779.D

Acq: 10 Jul 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

SP19-056-MW02

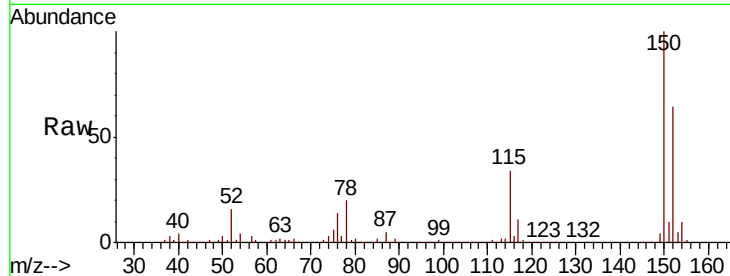
Tot Ion:152 Resp: 140700

Ion Ratio Lower Upper

152 100

115 54.8 38.6 115.7

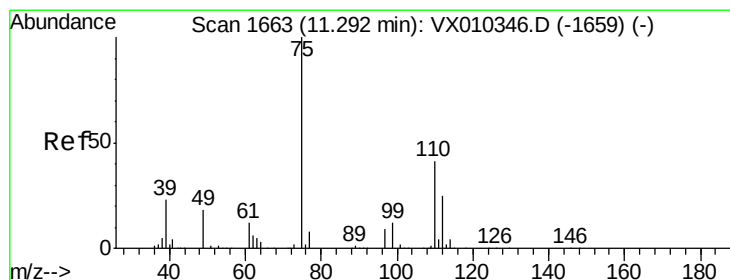
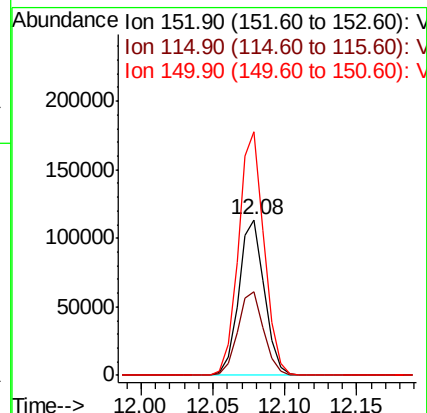
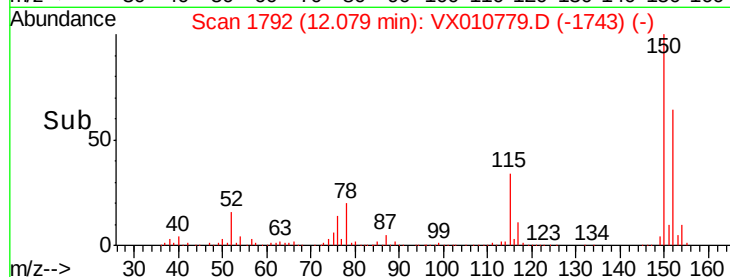
150 156.8 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 25.434 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010779.D

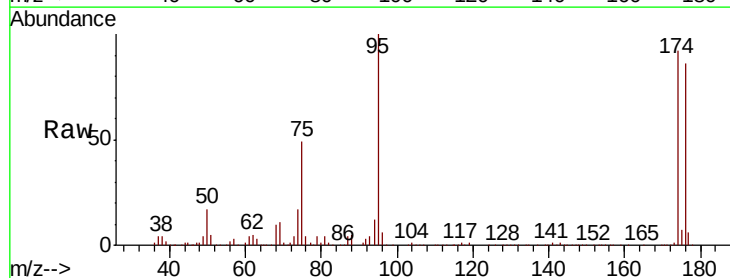
Acq: 10 Jul 2019 15:59

Tgt Ion: 75 Resp: 65212

Ion Ratio Lower Upper

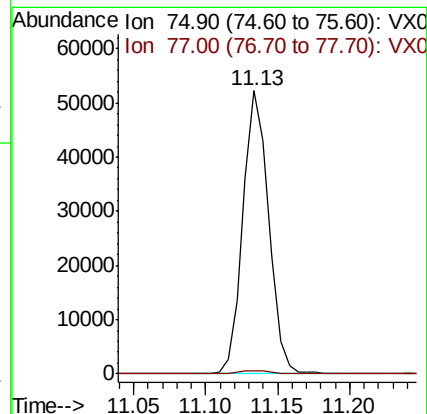
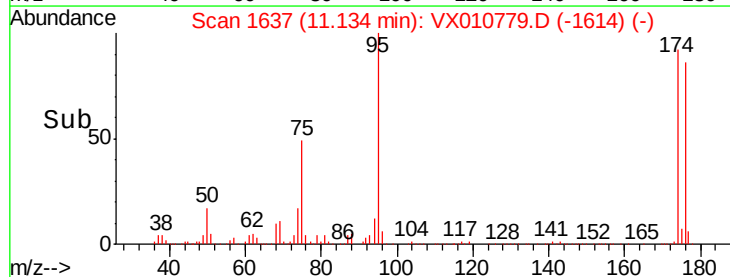
75 100

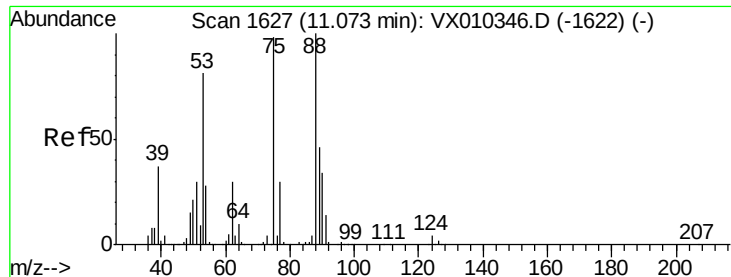
77 1.4 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.336 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010779.D

Acq: 10 Jul 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

SP19-056-MW02

Tot Ion: 75 Resp: 65212

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#

